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(54) **Title:** WATER-SOLUBLE THIOESTER AND SELENOESTER COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME

(57) **Abstract:** Water-soluble thioester and selenoester compounds, their generators, as well as methods for making and using the same, are provided. The subject thioester and selenoester compounds are characterized by including an amino acid synthon having a C-terminal group bonded to a water-soluble polymer through a thioester or selenoester linkage. Solid phase resins and protocols for generating the subject compounds are also provided. The subject water soluble thioester and selenoester compounds and generators find use in a variety of different applications, including thioester or selenoester mediated chemical ligation reactions.

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